

XP-002227270

AN - 2000-504484 [45]

AP - RU19980110993 19980609

CPY - NIZH-R

DC - A41 E14

FS - CPI

IC - C07C1/24 ; C07C15/46

IN - BELOKUROV V A; BOZINA N A; GALIEV R G; GALIMZYANOV R M; KOMAROV V A;
MELNIKOV G N; PETUKHOV A A; SEREBRYAKOV B R; VASILEV I M

MC - A01-D03 A01-E07 E10-J02B3

PA - (NIZH-R) NIZHNEKAMSKNEFTEKHIM STOCK CO

PN - RU2141933 C1 19991127 DW200045 C07C1/24 000pp

PR - RU19980110993 19980609

XA - C2000-151165

XIC - C07C-001/24 ; C07C-015/46

AB - RU2141933 NOVELTY - Methyl phenylcarbinol-containing agent is subjected to liquid phase catalytic dehydration at elevated temperature in presence of modified sulfuric acid as catalyst by introducing oxygen-containing organic compounds and/or nitrogen-containing compounds.

- DETAILED DESCRIPTION - Oxygen-containing organic compounds are ketone, alcohol, carboxylic acid, alkylene glycol, esters and ethers obtained on base of olefins and methyl phenylcarbonyl, organic acids and phenol and/or their mixtures. Nitrogen-containing compounds are amines, aminoalcohols, Mannich base, oxyquinoline-, alkyl-, dialkyl hydroxylamine, hydrazine, pyridine, amides, such as formamides, alkyl formamide, dialkyl formanilide, acetamide, carbamide, sulfamide, amidosulfuric acid, their derivatives and/or their mixtures.

- USE - Petrochemical industry; joint production of propylene oxide and styrene.

- ADVANTAGE - Enhanced selectivity of styrene formation; reduction of content of high-boiling products in dehydration products.

- (Dwg.0/0)

IW - STYRENE PRODUCE COMPRISE LIQUID PHASE CATALYST DEHYDRATE METHYL CONTAIN AGENT

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NC - 001

OPD - 1998-06-09

ORD - 1999-11-27

PAW - (NIZH-R) NIZHNEKAMSKNEFTEKHIM STOCK CO

TI - Styrene production comprises liquid phase catalytic dehydration of methyl phenylcarbinol-containing agent